

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/809, 675  
Source: HFWD  
Date Processed by STIC: 2-10-05

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 02/10/2005

PATENT APPLICATION: US/10/809,675

TIME: 11:32:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\02102005\J809675.raw

3 &lt;110&gt; APPLICANT: Liew, Choong-Chin

5 &lt;120&gt; TITLE OF INVENTION: Method for the Detection of Osteoarthritis Related Gene

## Transcripts in

6 Blood

8 &lt;130&gt; FILE REFERENCE: 4231/2055C

10 &lt;140&gt; CURRENT APPLICATION NUMBER: US 10/809,675

11 &lt;141&gt; CURRENT FILING DATE: 2004-03-25

13 &lt;150&gt; PRIOR APPLICATION NUMBER: 10/802,875

W--&gt; 14 &lt;151&gt; PRIOR FILING DATE: 2004-3-12

16 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/601,518

17 &lt;151&gt; PRIOR FILING DATE: 2003-06-20

19 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/085,783

20 &lt;151&gt; PRIOR FILING DATE: 2002-02-28

22 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/271,955

23 &lt;151&gt; PRIOR FILING DATE: 2001-02-28

25 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/275,017

26 &lt;151&gt; PRIOR FILING DATE: 2001-03-12

28 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/305,340

W--&gt; 29 &lt;151&gt; PRIOR FILING DATE: 2001-7-13

31 &lt;150&gt; PRIOR APPLICATION NUMBER: US 10/268,730

32 &lt;151&gt; PRIOR FILING DATE: 2002-10-09

34 &lt;150&gt; PRIOR APPLICATION NUMBER: US 09/477,148

35 &lt;151&gt; PRIOR FILING DATE: 2000-01-04

37 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/115,125

38 &lt;151&gt; PRIOR FILING DATE: 1999-01-06

40 &lt;160&gt; NUMBER OF SEQ ID NOS: 112

42 &lt;170&gt; SOFTWARE: PatentIn version 3.2

44 &lt;210&gt; SEQ ID NO: 1

45 &lt;211&gt; LENGTH: 110

46 &lt;212&gt; TYPE: DNA

47 &lt;213&gt; ORGANISM: Human

49 &lt;400&gt; SEQUENCE: 1

50 acacaacgta acaataacat atttagccaa tgtagtagac tgctatataa tacattagag 60

52 tgtcaattca ttccgtttac agccccattg ggtgtcaaatt tttttttgtt 110

55 &lt;210&gt; SEQ ID NO: 2

56 &lt;211&gt; LENGTH: 530

57 &lt;212&gt; TYPE: DNA

58 &lt;213&gt; ORGANISM: Human

61 &lt;220&gt; FEATURE:

62 &lt;221&gt; NAME/KEY: misc\_feature

63 &lt;222&gt; LOCATION: (16)..(16)

64 &lt;223&gt; OTHER INFORMATION: n is a, c, g, or t

66 &lt;220&gt; FEATURE:

67 &lt;221&gt; NAME/KEY: misc\_feature

(pg. 6-7)

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Input Set : A:\PTO.FG.TXT

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124 <223> OTHER INFORMATION: n is a, c, g, or t  
126 <220> FEATURE:  
127 <221> NAME/KEY: misc\_feature  
128 <222> LOCATION: (121)..(121)

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Input Set : A:\PTO.FG.TXT

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129 <223> OTHER INFORMATION: n is a, c, g, or t  
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162 <221> NAME/KEY: misc\_feature  
163 <222> LOCATION: (193)..(194)  
164 <223> OTHER INFORMATION: n is a, c, g, or t  
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167 <221> NAME/KEY: misc\_feature  
168 <222> LOCATION: (209)..(210)  
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172 <221> NAME/KEY: misc\_feature  
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179 <223> OTHER INFORMATION: n is a, c, g, or t  
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187 <221> NAME/KEY: misc\_feature  
188 <222> LOCATION: (228)..(228)  
189 <223> OTHER INFORMATION: n is a, c, g, or t

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Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\02102005\J809675.raw

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207 <221> NAME/KEY: misc\_feature  
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213 <222> LOCATION: (270)..(270)  
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223 <222> LOCATION: (274)..(275)  
224 <223> OTHER INFORMATION: n is a, c, g, or t  
226 <220> FEATURE:  
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228 <222> LOCATION: (283)..(283)  
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248 <222> LOCATION: (307)..(307)  
249 <223> OTHER INFORMATION: n is a, c, g, or t  
251 <220> FEATURE:

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Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\02102005\J809675.raw

252 <221> NAME/KEY: misc\_feature  
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284 <223> OTHER INFORMATION: n is a, c, g, or t  
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287 <221> NAME/KEY: misc\_feature  
288 <222> LOCATION: (377)..(377)  
289 <223> OTHER INFORMATION: n is a, c, g, or t  
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292 <221> NAME/KEY: misc\_feature  
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309 <223> OTHER INFORMATION: n is a, c, g, or t  
311 <220> FEATURE:  
312 <221> NAME/KEY: misc\_feature

**RAW SEQUENCE LISTING ERROR SUMMARY**  
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Input Set : A:\PTO.FG.TXT

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 16,19,25,38,40,42,44,64,65,66,70,71,81,86,89,117,121,123,135  
Seq#:2; N Pos. 143,177,179,184,193,194,209,210,215,217,221,228,233,236,243  
Seq#:2; N Pos. 252,252,253,254,270,272,274,275,283,292,293,299,303,307,312  
Seq#:2; N Pos. 319,324,325,328,329,342,345,366,377,382,391,395,400,412,413  
Seq#:2; N Pos. 422,424,426,433,439,442,452,460,463,471,495,500,504,516  
Seq#:5; N Pos. 13,14,16,20,21,25,26,27,28,42,52,55,57,59,63,65,68,72,74,77  
Seq#:5; N Pos. 91,102,117,127,128,169,172,192,203,243,244,248,249,253,283  
Seq#:5; N Pos. 288,299,318,327,334,348,359,360  
Seq#:6; N Pos. 475,556,559,585,606,644,671,693,695,714,742,744,756,765,768  
Seq#:6; N Pos. 808,815,823,830,837  
Seq#:10; N Pos. 433,600,615,626,645,661  
Seq#:14; N Pos. 6,15,37,38,47,56,57,94,127,155,157  
Seq#:16; N Pos. 5,15,39,47,52,69,154,207,217  
Seq#:17; N Pos. 18,19,27,47,66,76,82,108,133,162,210,260,276  
Seq#:19; N Pos. 17,40,59,76,107,165,189,216,221,230  
Seq#:21; N Pos. 17,23,28,36,41,44,53,59,62,67,70,71,74,76,79,83,84,86,97  
Seq#:22; N Pos. 2,17,37,52,53,56,77,85,89,96  
Seq#:23; N Pos. 17,19,27,28,29,37,38,46,49,65,72  
Seq#:24; N Pos. 5,13,71,88,91,109,157,177,199,207,211  
Seq#:26; N Pos. 299,333,353,410,411,460,474,479  
Seq#:27; N Pos. 348,422,435,476,490  
Seq#:28; N Pos. 18,47,59,74,138,174,176,211  
Seq#:29; N Pos. 1,2,12,29,34  
Seq#:30; N Pos. 3,4,5,6,8,13,15,20,27,32,33,40,49,50,57,63,67,69,76,78,87  
Seq#:30; N Pos. 89  
Seq#:31; N Pos. 12,26,46,49,55,60,63,69,70,73,79,92,96  
Seq#:32; N Pos. 2,7,27,34,57,63,64,67,73,75,76,77,78,80,90,96,97,98  
Seq#:33; N Pos. 5,12,28,32,38,44,57,68,76,82,92  
Seq#:34; N Pos. 3,21,27,28,38,47,50,53,61,73,78,83,85,97  
Seq#:35; N Pos. 21,22,28,32,65,67,68,70,77,83,92  
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Seq#:38; N Pos. 2,10,61,63,72,79  
Seq#:39; N Pos. 5,7,8,10,15,16,20,24,71  
Seq#:40; N Pos. 80,91  
Seq#:42; N Pos. 14,31,36,63,73,93,98  
Seq#:44; N Pos. 2,11,27,28,34,38,39,41,49,50,61,62,67,68,76,79,80,85,89,93  
Seq#:45; N Pos. 8,24,33,34,47,48,58,63,68,71,73,77,88,95,96  
Seq#:46; N Pos. 74  
Seq#:47; N Pos. 7,8,17,23,33,42,47,48,52,55,60,62,66,70,71,74,84,86,87,96  
Seq#:47; N Pos. 99,100  
Seq#:48; N Pos. 5,6,33,35,36,42,46,48,55,59,69,81,87,91,94,97  
Seq#:49; N Pos. 20,38,164,178,201,211,274,305,340,346,386,387,405,433,446  
Seq#:50; N Pos. 5,6,13,18,22,39,45,48,54,65,70,72,80,83,90,94,96,98,102,104

**RAW SEQUENCE LISTING ERROR SUMMARY**  
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Seq#:50; N Pos. 113,115,117,121,123,125,128,142,144,160,174,175,180,181,186  
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Seq#:51; N Pos. 470,472,478  
Seq#:52; N Pos. 13,14,17,20,22,27,29,31,36,43,46,58,59,74,78,81,85,87,88,90



## VERIFICATION SUMMARY

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Input Set : A:\PTO.FG.TXT

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L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420  
M:341 Repeated in SeqNo=6  
L:856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:420  
M:341 Repeated in SeqNo=10  
L:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:1046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:1122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:1331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:1440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:1507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24  
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240  
M:341 Repeated in SeqNo=26  
L:1638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300  
M:341 Repeated in SeqNo=27  
L:1694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
M:341 Repeated in SeqNo=28  
L:1730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
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L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
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L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
M:341 Repeated in SeqNo=32  
L:2038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
M:341 Repeated in SeqNo=33  
L:2115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
M:341 Repeated in SeqNo=34  
L:2172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
M:341 Repeated in SeqNo=35  
L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
M:341 Repeated in SeqNo=36  
L:2318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0

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M:341 Repeated in SeqNo=37

L:2362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0

M:341 Repeated in SeqNo=38

L:2409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0